

--13. A test kit for detecting genetic abnormalities related to a gene in humans having at least in part the following nucleotide sequence:

GTCTACATGGGTGCTTCCCATTCCAGGGGATGAGCTACCTGGAGGATGTGCGGCTCG
TACACAGGGACTTGCCCGCTCGGAACGTGCTGGTCAAGAGTCCCAACCATGTCAAAA
TTACAGACTTCGGGCTGGCTCGGCTGCTGGACATTGACGAGACAGAGTACCATGCAG
ATGGGGGCAAGTTAGGTGAAGGACCAAGGAGCAGAGGAGGCTGGGTGGAGTGGTGTG
TAGCCCATGGGAGAACTCTGAGTGGCCACCTCCCCACAACACACAGTTGGAGGACTT
CCTCTTCTGCCCTCCCAGGTGCCCATCAAGTGGATGGCGCTGGAGTCCATTCTCCGC
CGGCGGTTCACCCACCAGAGTGATGTGTGGAGTTATGGTGTGTGATGGGGGGTGTG

GGAGGGGTGGGTGAGGAGCCATGG, said kit comprising containers containing at least one specific nucleic acid probe of Claim 12 and instructions for performing test with said probe.--

--14. A method of diagnosing human cancer related to a gene having at least in part the following nucleotide sequence:

GTCTACATGGGTGCTTCCCATTCCAGGGGATGAGCTACCTGGAGGATGTGCGGCTCG
TACACAGGGACTTGCCCGCTCGGAACGTGCTGGTCAAGAGTCCCAACCATGTCAAAA
TTACAGACTTCGGGCTGGCTCGGCTGCTGGACATTGACGAGACAGAGTACCATGCAG
ATGGGGGCAAGTTAGGTGAAGGACCAAGGAGCAGAGGAGGCTGGGTGGAGTGGTGTG
TAGCCCATGGGAGAACTCTGAGTGGCCACCTCCCCACAACACACAGTTGGAGGACTT
CCTCTTCTGCCCTCCCAGGTGCCCATCAAGTGGATGGCGCTGGAGTCCATTCTCCGC
CGGCGGTTCACCCACCAGAGTGATGTGTGGAGTTATGGTGTGTGATGGGGGGTGTG
GGAGGGGTGGGTGAGGAGCCATGG comprising:

(a) detecting amplification rearrangement or over-expression of the gene by hybridizing nucleic acid derived from a tissue sample of a human suspected of said cancer with the nucleic acid probes of Claim 12; or

~~(b) detecting abnormal expression of the protein product of the gene by reacting a body sample of a human suspected of said cancer with antibodies of Claim 5.--~~